**Discussion 1.1 – Student Introductions**

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CSC102 – Introduction to Programming

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Due date: 2024-09-11

**1. To start this discussion, please, answer the following questions:**

* **What is your name and how would you like to be addressed?**
* **What would you like to share about yourself with us? Share a fun fact about yourself!**
* **What are you studying as a major and how long have you been a student @ UAT?**
* **What prior programming experience have you had? (SQL, PHP, Python, C/C++, Java, HTML, etc...)?**
* **What do you think the relevance of this course will be toward your future career?**

**Good evening! I go by Chris, and I am studying Embedded Systems and Robotics and am wrapping up my first year at UAT. At a previous institution took a class in C++. Last semester I took Internet of Things at UAT which used python for ESP32. I also have exposure to SQL at work for database management/queries as well as PPCL interaction for Siemens control systems. I hope this course will help develop my toolkit of programming and operational awareness related to tools we utilize at work for automation and interconnectivity. I recently moved to Seattle, and I was born with 5 extra teeth yet was born without wisdom teeth. The extra teeth were extracted from the roof of my mouth and near my sinus cavity.**

**2. Thinking like a programmer:**

**Begin by watching the assigned video**[**"Thinking Like a Programmer: Understanding Computers and Human Logic."Links to an external site.**](https://www.youtube.com/watch?v=x77-gT8bWLo)**Pay close attention to the key concepts discussed regarding the mindset of a programmer.**

**After watching the video, take some time to reflect on the key points presented. Consider the following questions:**

* **What does it mean to think like a programmer?**
* **How do computers operate, and what is the role of human logic in programming?**
* **What aspects of the programmer's mindset were highlighted in the video?**

**Computers operate in the narrow margin of attempting to execute on the instructions that are provided to them. The role of human logic in programming is to tell the computer what you want it to do in a way that is executable within the constraints of how the computer can process and display information. Thinking like a programmer means understanding the problem enough to break it down into the basic components that can be achieved individually and then built back up to provide the comprehensive solution. Translate the problem from a story problem into a set of steps. This provides your framework. Then start to solve each of the small problems.**